UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/590,119	06/11/2007	Lin Zhi	3800024.00324 / 1112US	1033
77202 K&L Gates LLI	7590 04/15/201 P	1	EXAMINER	
3580 Carmel Mountain Road			CHANDRAKUMAR, NIZAL S	
Suite 200 San Diego, CA 92130			ART UNIT	PAPER NUMBER
			1625	
			MAIL DATE	DELIVERY MODE
			04/15/2011	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)	
Office Action Commence	10/590,119	ZHI ET AL.	
Office Action Summary	Examiner	Art Unit	
	NIZAL CHANDRAKUMAR	1625	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence addı	ress
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	I. ely filed the mailing date of this com (35 U.S.C. § 133).	
Status			
 1) ☐ Responsive to communication(s) filed on 2/14/3 2a) ☐ This action is FINAL. 2b) ☐ This 3) ☐ Since this application is in condition for allowant closed in accordance with the practice under E 	action is non-final. ace except for formal matters, pro		nerits is
Disposition of Claims			
4) ☐ Claim(s) 1-25,27-35,62-69,72-78 and 82-86 is/s 4a) Of the above claim(s) 69 and 72-77 is/are w 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-25,27-35,62-68,78 and 82-86 is/are 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	rejected.		
Application Papers			
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the confidence of Replacement drawing sheet(s) including the correction of the output of the output of the confidence of the output	epted or b) \square objected to by the Edrawing(s) be held in abeyance. See on is required if the drawing(s) is obj	37 CFR 1.85(a). ected to. See 37 CFR	` '
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No d in this National S	tage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 9/13/2010, 1/29/2010.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	te	

Art Unit: 1625

DETAILED ACTION

Page 2

Applicants response filed 2/14/2011 is acknowledged.

Claims 1-25, 27-35, 62-68, 78, 82-86 are under examination.

Applicants are reminded of the subject matter being prosecuted shown on page 4 of office action filed 11/3/2010.

Claims 1-25, 27-35, 62-68, 78, 82 are examined to the extent that they read on the elected subject matter:

compounds of formula II wherein n is 0, Z is

CRARB.

<u>To facilitate prosecution, Applicant is encouraged to delete non-elected subject matter from the claims.</u>

Response to Remarks:

Amendments to claims overcome the previously presented rejections under Claim Rejections - 35 USC § 102, Claim Rejections - 35 USC § 103 and Claim Rejections - 35 USC § 112.

Claim 6 and 7, 28, 31-33, 84,

Art Unit: 1625

Page 3

New Rejections

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 and 18 are rejected under 35 U.S.C. 102(b) as being anticipated by Sues et al. GB 1177545.

Sues et al. teach

RN 23196-17-0

R1 NO2

R2 heteroalkyl

RA of R3 is C2 alkyl

R4 H

R5 H

Art Unit: 1625

R6a and R7a together form a carbonyl

R9 C1 alkyl

R 10 H

R12 H

R13 H

RA and RB of Z are hydrogen.

Likewise,

Claims 1-4, 8-25, 27, 30, 34, 63-68, 78, 82, 83, 85, 86 are rejected under 35

U.S.C. 102(b) as being anticipated by Yamada et al. WO 2001083460.

Yamada et al. teach RN 372117-90-3

corresponds to compounds of formula II

R1 CO2RA wherein RA is C1 alkyl

R2 is NO2

R5, R4 and R5 are Hydrogens

RA and RB are Hydrogens for CRARB

R9 is hydrogen or hydroxyalkyl (substituted alkyl)

Art Unit: 1625

Likewise

Claims 1-5, 8-25, 27, 30, 34, 63-68, 78, 82, 83, 85, 86 are rejected under 35

Page 5

U.S.C. 102(b) as being anticipated by Sunjic et al. US 6437167.

Sunjic et al. teach RN 253867-83-3

corresponds to compounds of formula II wherein R1 is CN, R2, R3, R4 and R5 are halo, RA of R9 is H.

Similarly,

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Elslager et al. Journal of Medicinal Chemistry (1972), 15(8), 827-36. (STN abstract is provider, Original article is being procured).

R1 is NO2,

Art Unit: 1625

R2 is CN

R3, R4, R5, H

R9 is optimally substituted aryl

Likewise,

Claims 1, 22, 23 are rejected under 35 U.S.C. 102(b) as being anticipated by Jin et al. Chemistry of Materials (1992), 4(5), 963-5. (STN abstract is provider, Original article is being procured).

Page 6

Jin et al. teach RN 115416-47-2

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-25, 27-35, 62-68, 78, 82-86 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Art Unit: 1625

Claim 1 language relating to 'pharmaceutically acceptable ester, or amide thereof' is vague and indefinite, because these terms implies more than what is positively defined by variables , for example ${}^{CO_2R^A}$, ${}^{CONR^AR^B}$.

Dependent claims listed above do not cure the problem of the base claims.

Additionally in claims 62 and 84, it is unclear what are the esters and amides of the first named compounds.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NIZAL CHANDRAKUMAR whose telephone number is (571)272-6202. The examiner can normally be reached on 8.30 AM - 4.30 PM.

Application/Control Number: 10/590,119 Page 8

Art Unit: 1625

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Janet Andres can be reached on 571 0272-0867. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Nizal S Chandrakumar/ Primary Examiner, Art Unit 1625